

Converting Colors

XYZ(20.5973, 16.9173, 14.6834)

Have a look what the booklet for
XYZ(20.5973, 16.9173, 14.6834)
contains.

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Color

**XYZ(20.5704, 16.9509,
14.7580)**

Conversions

Conversions Part 1

Format	Color
Hex	9C6366
RGB	156, 99, 102
RGB Percent	61%, 39%, 40%
CMY	0.3882, 0.6117, 0.6000
CMYK	0.00, 0.37, 0.35, 0.39
HSL	357°, 22%, 50%
HSV	357°, 37%, 61%
XYZ	20.5704, 16.9509, 14.7580
YIQ	116.3850, 33.0090, 13.0170

Conversions

Conversions Part 2

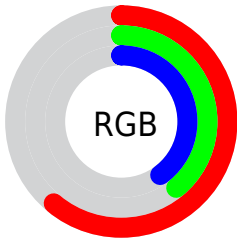
Format	Color
R _Y B	156, 99, 102
Decimal	10249062
CIE Lab	48.20, 23.48, 7.95
CIE LCh	48, 24.790, 18.708
Yxy	16.9509, 0.3935, 0.3242
Android (android.graphics.Color)	4288439142 (0xFF9C6366)
YUV	116.3850, -7.0918, 34.7424
Hunter-Lab	41.1715, 17.1334, 7.5674

Details

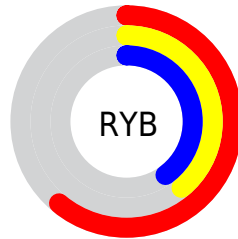
The XYZ color **20.5704, 16.9509, 14.7580** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.7846, 28.7299, 34.4831**, and the grayscale version is **16.7331, 17.6045, 19.1713**.

A 20% lighter version of the original color is **43.8075, 38.1096, 35.1840**, and **7.4669, 5.5271, 4.2877** is the 20% darker color. If you saturate the color by 10%, you get **18.5639, 14.0082, 10.7896**, and if you desaturate by 10%, it is **22.9940, 20.5185, 19.5106**.

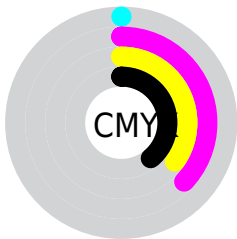
Distribution



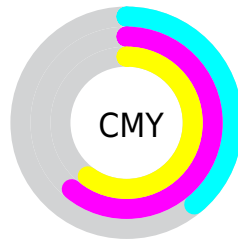
- Red (61%)
- Green (39%)
- Blue (40%)



- Red (61%)
- Yellow (39%)
- Blue (40%)



- Cyan (0%)
- Magenta (37%)
- Yellow (35%)
- Black (39%)



- Cyan (39%)
- Magenta (61%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5704, 16.9509, 14.7580 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 20.5704, 16.9509, 14.7580 by changing the saturation by 10% instead.

■ 20.5704, 16.9509,
14.7580

■ 20.5704, 16.9509,
14.7580

247.7617,
234.8893, 233.4868

■ 12.9210, 10.1995,
8.5050

■ 43.8681, 38.2413,
35.1644

■ 7.4508, 5.5314,
4.3274

■ 60.2472, 53.5492,
50.1548

■ 3.7944, 2.5623,
1.8066

■ 80.2669, 72.4779,
68.8948

■ 1.5865, 0.9078,
0.4323

■ 104.2925, 95.4120,
91.8028

■ 0.3836, 0.0000,
0.0000

132.6894,
122.7357, 119.2975

■ 0.0000, 0.0000,
0.0000

165.8230,

154.8336, 151.7974

204.0587,
192.0900, 189.7210

■ 20.5704, 16.9509,
14.7580

■ 20.5704, 16.9509,
14.7580

■ 18.5639, 14.0082,
10.7896

■ 22.9940, 20.5185,
19.5106

■ 16.9497, 11.6522,
7.5623

■ 25.8550, 24.7415,
25.0853

■ 15.7026, 9.8442,
5.0304

■ 29.1739, 29.6513,
31.5187


■ 14.7935, 8.5401,
3.1428

■ 32.9696, 35.2766,
38.8452


■ 14.1894, 7.6887,
1.8412


■ 37.2599, 41.6445,
47.0968


 13.8437, 7.2151,
1.0547

 42.0617, 48.7806,
56.3044

 13.7552, 7.0859,
0.8782

 47.3911, 56.7093,
66.4972

 53.2634, 65.4541,
77.7033

 59.6935, 75.0372,
89.9495

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



20.7415, 16.9509, 20.9929



20.5704, 16.9509, 14.7580



19.1409, 16.9509, 10.6191

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.5704, 16.9509, 14.7580



13.0720, 16.9509, 11.4232



15.2783, 16.9509, 33.4838

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.5704, 16.9509, 14.7580



22.7846, 28.7299, 34.4831

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



13.4196, 16.9509, 29.4300



20.5704, 16.9509, 14.7580



12.2272, 16.9509, 16.1334

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.5704, 16.9509, 14.7580



14.7620, 16.9509, 9.0264



12.3482, 16.9509, 22.7268



17.5405, 16.9509, 32.8701

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.5704, 16.9509, 14.7580



17.7353, 16.9509, 9.1457



12.3482, 16.9509, 22.7268



14.5896, 16.9509, 32.5899

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.5709, 16.9517, 14.7583



50.0600, 49.5214, 51.5780



23.4494, 18.0195, 33.6947



10.8519, 10.6550, 11.0324



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.5709, 16.9517, 14.7583



34.2736, 26.2571, 20.7015



23.1331, 22.3097, 14.8924



6.6465, 6.6515, 6.9896



11.3342, 5.8383, 0.7451



0.2063, 0.1059, 0.0327

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



20.5709, 16.9517, 14.7583



34.2736, 26.2571, 20.7015



19.3037, 21.3670, 34.5593



6.6465, 6.6515, 6.9896



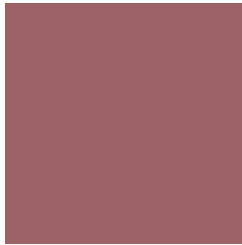
11.3342, 5.8383, 0.7451



0.2063, 0.1059, 0.0327

Previews

White Background



This preview shows how the XYZ color 20.5704, 16.9509, 14.7580 looks on a white background.

Color Contrast Check

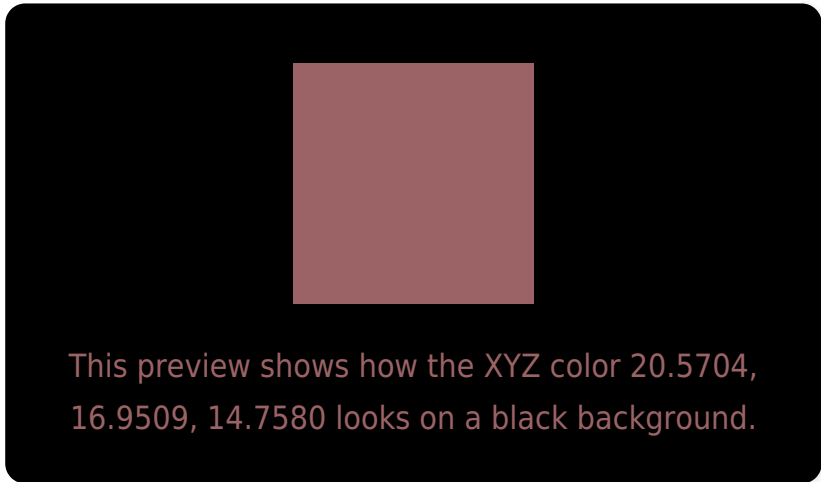
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

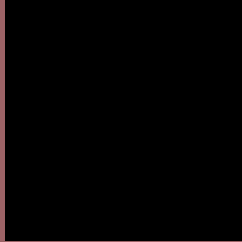
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5704, 16.9509, 14.7580

Background



This preview shows how black text looks on a background with the XYZ color 20.5704, 16.9509, 14.7580.



This preview shows how white text looks on a background with the XYZ color 20.5704, 16.9509,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.5704, 16.9509, 14.7580

Protanopia

16.3030, 17.0120, 17.1762

Deuteranopia

17.3448, 17.1143, 14.4458



Tritanopia

20.6795, 16.8439, 15.7969

Trichromacy



Original Color

20.5704, 16.9509, 14.7580

Protanomaly

17.6382, 16.9043, 16.2431

Deuteranomaly

18.4219, 17.0304, 14.6282

Tritanomaly

20.6278, 16.8232, 15.5246

Monochromacy



Original Color

20.5704, 16.9509, 14.7580

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.8052, 17.1249, 17.4059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5704, 16.9509, 14.7580 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(156, 99, 102)` looks like.

```
.text, #text, p{  
    color:rgb(156, 99, 102)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(156, 99, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 99, 102) }
```

Border

The CSS property to change the border of an element to XYZ 20.5704, 16.9509, 14.7580 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 99, 102) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(156, 99, 102) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(156, 99, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 99, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 99, 102);  
box-shadow:4px 4px 4px 4px rgb(156, 99,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5704, 16.9509, 14.7580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 99, 102) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(156, 99,  
102) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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